

IN THE SPECIFICATION

ABSTRACT

Please replace the previous Abstract with the following:

The invention seals, unseals and/or bonds plastics, waxes and resins via a thermal metal strip or wire coated with liquefiable substances that melt to open or separate and cool to congeal, seal, vulcanize or bond together when the wire or strip is energized in a shorted state (to heat) or not energized (to cool). Electronic switch modalities and sealing applications are optionally taught for security and tamper detection. In one modality, a unique signal is sent to the gate leg of a micro-processing chip (e.g. an SCR switch) where firmware recognizes the signal and permits current through a thermal wire. This innovation is optionally employed for Homeland Security.